



A STUDY: INFLUENCE OF E-LEARNING DURING PANDEMIC

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ABSTRACT

The pandemic emergency of COVID-19, online learning has become the compulsory segment of all educational centers in and around. During this situation lectures have been stopped as the students were physically present in campus structure. In this case except E-learning, there is no alternative for teaching and learning methods. The findings of the study reflect the impact of E-learning, students' interest in using online learning resources, and their performance. The study shows that E-learning has become quite popular among the students all over the world particularly. The study of popularity and utilizing of online learning tools and its platforms in the lockdown period in the COVID-19.

KEYWORDS: E- Learning, Moocs, Lockdown, Self-study, Online Exam.

INTRODUCTION:

Education makes great and perfect to each person. The motivation behind education is to form an individual to be fully filled with aspects. Education gives ideas to present ourselves as well as to reach our predetermination task. Learning is one of the most important procedures of obtaining information or abilities through analysis, own skills. The one of the non-pedantic situations occurred over the world of COVID 19 which changed the structure of education. The whole world to be shopped and closed down due to this spreading of virus. The educational institutes, theaters, shops, malls, buses, travelling and many others were closed in this period. During this situation the finding of alternatives for these is the most important task in front of people. Whole globe is only connected by only enhanced technologies with each other via internet, television and broadcasting technologies. In this condition there is a need to find alternative modes for the learning and teaching process. The world turns towards digitization so the online learning mode is stated through educational peoples. And finally E- learning mode was started all over the globe for various levels of learning like LG to PG. The main element of E- learning is network facility via the internet. In the E- learning method students and faculties are connected through the network in virtual mode. The students use different types of tools for learning like mobile, PC, I-pad, Laptops etc. E-learning gives fast development and ends up being the best in all areas, particularly in the educational field during this pandemic situation.

RESEARCH OBJECTIVES:

1. Analysis tools of online learning methods.
2. To Analysis of the approach of students towards using online learning in COVID-19
3. To Analysis of use of resources by students for online learning during COVID-19

SIGNIFICANCE OF THE STUDY:

This survey in investigation of students approaches with discovering the under-studies' towards online learning mode in lockdown period. This investigation was taken from the under studies who are concentrating in different universities and colleges. This study investigated the students enhancement in knowledge during lockdown due to online mode. The students approach towards online learning which is easily accepted by students or not. This study also investigates the tools and platforms which are mostly applicable to online learning.

METHODOLOGY ADAPTED:

This study depends on primary data as well as secondary data. This data has been gathered from undergraduate students of various streams. The online questionnaire is to be circulated to the students in the format of Google Forms for requirement of data. The total gathered data of 70 samples from students and the analysis of these data using appropriate statistical calculation to find the finding of study and conclusion of study.

DATA ANALYSIS AND INTERPRETATIONS:

In this study, researcher found 70 responses from various students of different streams. Researcher found the various opinion form students on online learning mode.

1.1 Questionnaire related to students regarding E- learning technique.

1.1.1 E-learning methods are accepted by students easily.

The education uses different types of tools are available for online learning. It is essential to known knowledge related to these new enhancements of technology and digital devices. In the time of E- learning, there are multiple types of tools that use these techniques to learn. Due to the lockdown there was no other option present to students except online learning.

Table 1: E-learning methods are accepted by students easily.

Question Type	Total Respondents	Per. of Respondents
Yes	57	81.43
No	13	18.57
Total	70	100

In this survey researcher to be found the 81.43 percent of students had been ready towards acceptance of E- learning technique. For this educational peoples are explained the importance of e-learning and no alternative seen in front of them. The 18.57 percent of students hadn't accepted the online learning due to the students faced network problems in e- learning mode.

1.1.2 Does E- learning enhance self-study?

In past the students only depended on physical learning in the colleges and classrooms but in this current digitization era students are very familiar with Laptops and mobile. Students have capacities to access educational material form online mode as well as E- learning. One of the purposes of the student to learn online is flexible for place and travel. As per students point of view, students are capable of enhancing self-study through online learning.

Table 2: E- learning enhances self-study

Question Type	Total Respondents	Per. Of Respondents
Yes	59	84.29
No	11	15.71
Total	70	100

From the sample size of 70 the 84.29 percent of students' opinion as their self study skills have been enhanced due to online learning. On the other side 15.71percent students view they attend online learning lectures only because of no other choices to them. There are multiple institutes explained e- learning features and benefits for students support for online learning. So that as per table it is seen most students are gone through e- learning benefits.

1.1.3 Students acceptance level towards online exam:

Exam is one of the important and mandatory concepts in education for analysis students. There are multiple varieties used for evaluating students' study like online assignments, quiz, moocs, online viva etc. The lesson wise online assignment and quiz have been started in the lockdown period for complete same process which happen physically in the institutes for evaluation. As well as stated online term exams through online mode for assessment of students. There is a need to find the acceptance level of students towards the online exam.

Table 3: Students acceptance level towards online exam

Question Type	Total Respondents	Per. Of Respondents
Yes	61	87.14
No	9	12.86
Total	70	100

The researcher received responses from 70 students, the 87.14 percent of students are very happy with online learning. They regularly attended assignments, quiz through online mode. And 12.86 percent students haven't seen acceptance towards the online exam from them due to some are not happy for their expectation level of result satisfaction through online exam mode and some due to network problems.

1.1.4 Is online learning is effective / helpful in lockdown period.

In this time of lockdown there is no other method to be seen except E- learning for learning and teaching process. The educational peoples are provided with many study material, online links to students during lockdown time for upcoming assessment. The online learning makes it easy to explain concepts, solve students problems as well as maintain relation between students and educational peoples in lockdown period.

Table 4: Online learning is effective / helpful in lockdown period

Question Type	Total Respondents	Per. Of Respondents
Yes	56	80.00
No	14	20.00
Total	70	100

The researcher received 70 responses from respondents, form those 80 percent of students who have expressed our opinion as the online learning is effective and helpful in lockdown period. 20 percent of students have not agreed with this sentence.

1.1.5 Are you comfortable with E - learning or Traditional classroom learning.

E-learning has been better for learning which saves time as well as transport problems. It is comparable due to anyone attending lectures of targeted persons, which one not depends on place. Other hand, the few students like traditional classroom learning in which one interacted face to face physically with faculties as well as friends. Classroom learning is more reliable and activity oriented.

Table 5: Are you comfortable with E - learning or Traditional classroom learning

Question Type	Total Respondents	Per. Of Respondents
E- learning	41	58.57
Traditional Learning	29	41.43
Total	70	100

As per students' response the 58.57 percent of students are interested in online learning methods and 41.43 percent students are interested in traditional classroom learning methods.

1.1.6 Is E-learning teaching effective for practical learning.

The e- learning is very useful to theoretical subjects, but it is not suitable for practical learning. Mostly practical subjects need well constructed labs for practical section, which is not suitable for E- learning.

Table 6- Is E- learning teaching effective for practical Learning

Question Type	Total Respondents	Per. Of Respondents
Yes	11	15.71
No	59	84.29
Total	70	100

From the 70 respondents the 84.29 percent responses as the e- learning is not effective for the practical section and the 15.71 percent students are not thinking this.

1.1.7 Is the network problems is one of the issue of E-learning.

Online learning activity depends on internet connection facilities. Students are faced with so many problems of disconnection of lecture, voice problem due to the less network. It is seen as most students who are from rural areas face network problems in E- learning mode. They are not only possible to join sessions also due to less network connectivity.

Table 7: Network problems is one of the issue of e-learning

Question Type	Total Respondents	Per. Of Respondents
Yes	38	54.29
No	32	45.71
Total	70	100

The responses received from students from that, 54.29 percent students' opinion as the network problem is not an issue of online learning. The 45.71 percent of students opinion as they face so much problem of network issues in the time of lecture, from that some students from rural areas and some students point of view is they faced this problem only at the time of joining lecture.

1.1.8 Mostly which devices are used for online learning - Laptop / Mobile / Desktop / Tablet

The researcher used a multi checked type question for this data analysis. In this analysis some students used mobile phone only, Laptop only, Tablet only, Desktop only, Mobile as well as Laptop, Tablet as well as Laptop, desktop as well as mobile and mobile as well as tablet

Tick from following devices which mostly prefer for online learning from students.

Table 8: Mostly which devices are used for online learning

Only Mobile	37	52.86
Only Laptop	11	15.71
Only Desktop	2	2.86
Only Tablet	3	4.29
Mobile as well as Laptop	9	12.86
Tablet as well as Laptop	3	4.29
Desktop as well as Mobile	2	2.86
Mobile as well as Tablet	3	4.29
Total	70	100.00

As per respondents point of view the 52.86 percent students uses only mobile phone, 15.71 percent students uses Laptop only, 2.86 percent students uses Desktop, 4.29 percent students uses Tablet device, 12.86 percent students are uses Mobile as well as Laptop, 4.29 percent students are uses Tablet as well as Laptop, 2.86 percent uses desktop as well as Mobile and 4.29 percent students uses Mobile as well as Tablet.

1.1.8 Tools which are mostly used in online learning mode.

The different tools and platforms are used in online learning.

Zoom, Google classroom, Google Meet, Videos, What app, You tube / Microsoft team, Webex Meeting, Telegram Group/ GoToWebinar etc. The researcher found the analysis of these tools used for online learning mode.

Table 9: Tools are mostly used in online learning condition

Tools Used	Students Respondents	Percentage
Zoom	63	90.00
Google Classroom / Meet	56	80.00
Whatsapp	70	100.00
You Tube	41	58.57
Mail	26	37.14
Telegram Group	7	10.00
Video Meeting	14	20.00
Microsoft Team	5	7.14
Webex Meeting	11	15.71
GoToWebinar	8	11.43

As per survey from 70 students, it is seen as the most of 90 percent of students are using zoom platform for online learning. The various platforms are used as, the 80.00 percent use of Google Classroom / Meet, 100 percent students are actively participate and used the what's app for communication of educational learning, 58.57 percent students are used you tube mode for learning methods, 37.14 percent mail communication, 10.00 percent telegram group chatting and sharing, 20.00 percent students are used video meeting, 7.14 percent students are familiar with Microsoft team platform in some cases, 15.71 percent of students are used Webex Meeting platform and 11.43 percent students used GoToWebinar platform for attending some webinars.

FINDINGS:

Researcher found from data analysis the some following findings:

- The most students are accepting the e-learning method for teaching and learning process in the time of lockdown. 81 percent of students show their interest towards the online learning facility.
- The 84 percent students view as they analyzed as their skills have been enhanced due to e-learning methods. It is an effective method of learning.
- It is seen from analysis that 87 percent of students have accepted the online exam process. They are ready towards the online exam mode.
- The lockdown period started to learn process online mode, as per analysis it has been seen as this process is effective and helpful in this COVID-19 situation.
- As per 58 percent students are comfortable with E-learning and 41 percent of students are comfortable with classroom learning as per their own reasons, after some discussion with students, they are missing the physical enjoyment of college and friend circle.
- In this question, 15 percent of students are not concerned with practical learning to be online mode, but the 84 percent students point of view as they are not that much confident with practical concepts through online mode.
- As per analysis, it is seen as the 54 percent students are not faced with network problems in online learning mode. But the 45 percent of students from urban areas faced the bandwidth for low network problems in the online mode.
- As per analysis it is seen as the most students are using mobile phones and then Laptop devices only for the online lecture purpose and few students are using Desktop, Tablet etc.
- The researcher found from analysis as all the students are interacted by what's app for online learning and teaching mode, mostly students are familiar with zoom, Google Classroom / Meet and Youtube platform for E-learning purpose. The remaining all platforms are seen as a minor use for online learning.

CONCLUSION:

In the COVID-19 situation the E-learning is a suitable mode for teaching and learning process. The students are also engaged in study through this mode in the lockdown period. It is excellently helpful to students in this period. The students are positive towards the online learning and online exam. The network problems have been one of the issues faced by some students in low band width areas. The students are familiar with various platforms of E-learning. The E-learning mode influences effective workout in the lockdown period.

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